

# Product Data Sheet

## MELK Blocking Peptide

| Catalog #                 | Source                                                                                                                                                                            | Reactivity  | Applications |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|
| CBP3373                   | Synthetic                                                                                                                                                                         | H, M, R, Mk | BL           |
| <b>Description</b>        | The peptide is used to block Anti-MELK Antibody (#CPA3373) reactivity.                                                                                                            |             |              |
| <b>Form</b>               | Lyophilized powder                                                                                                                                                                |             |              |
| <b>Gene Symbol</b>        | MELK                                                                                                                                                                              |             |              |
| <b>Alternative Names</b>  | KIAA0175; Maternal embryonic leucine zipper kinase; hMELK; Protein kinase Eg3; pEg3 kinase; Protein kinase PK38; hPK38; Tyrosine-protein kinase MELK                              |             |              |
| <b>Entrez Gene</b>        | 9833 (Human); 17279 (Mouse)                                                                                                                                                       |             |              |
| <b>SwissProt</b>          | Q14680 (Human); Q61846 (Mouse)                                                                                                                                                    |             |              |
| <b>Purity</b>             | >85%                                                                                                                                                                              |             |              |
| <b>Quality Control</b>    | The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.                                                                                         |             |              |
| <b>Directions for Use</b> | Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4°C for overnight or at room temperature for 2 hours. |             |              |
| <b>Storage/Stability</b>  | Shipped at 4°C. Store at -20°C for one year.                                                                                                                                      |             |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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